Province of the
EASTERN CAPE
EDUCATION

Iphondo leMpuma Kapa: Isebe leMfundo
Provinsie van die Oos Kaap: Department van Onderwys
Porafensie Ya Kapa Botjahabela: Lefapha la Thuto

NATIONAL SENIOR CERTIFICATE

GRADE 11

NOVEMBER 2025

MATHEMATICAL LITERACY P1
MARKING GUIDELINE

MARKS: 100

This marking guideline consists of 8 pages.

Symbol	Explanation
M	Method
MA	Method with accuracy
CA	Consistent accuracy
A	Accuracy
C	Conversion
S	Simplification
RT	Reading from a table/a graph/document/diagram
SF	Correct substitution in a formula
O	Opinion/Explanation
P	Penalty, e.g. for no units, incorrect rounding off, etc.
R	Rounding off
NPR	No penalty for correct rounding minimum two decimal places
AO	Answer only
MCA	Method with constant accuracy

NOTE:

- If a candidate answers a question TWICE, only mark the FIRST attempt.
- If a candidate has crossed out an attempt of a question and not redone the question, mark the crossed out version.
- Consistent accuracy applies in ALL aspects of the marking guideline. Stop marking at the second calculation error.
- NOTE: Consistent accuracy (CA) does NOT apply in cases of a breakdown.
- If the candidate presents any extra solution when reading from a graph and table, then penalise for every extra item presented.
- As a general marking principle, if a candidate has incurred one mistake and there is evidence of sound Mathematics thereafter, then that candidate should lose ONE mark only.

Topics: F – Finance, DH – Data Handling, P – Probability

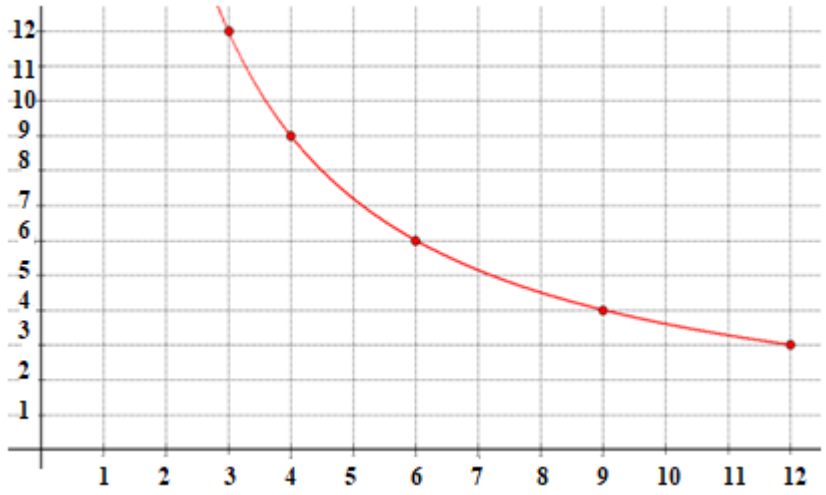
QUESTION 1 [22 Marks]				
No.		**Solution**	**Explanation**	**Topic and Level**
1.1	1.1.1	2 457 164 834 ✓✓A	2A correct answer (2)	F L1
	1.1.2	2 Cheques/Two cheques ✓✓A	2A correct number of cheques (2)	F L1
	1.1.3	Amount of cash = R276,70 ✓✓A	2A correct amount (2)	F L1
	1.1.4	Total Amount = R260,00 + R16,70 + R340,00 + R480,00 ✓MA = R1 097,50 ✓A **AO – FULL MARKS**	1MA Adding correct amounts 1A correct answer (2)	F L1
1.2	1.2.1	Numerical ✓✓A	2A correct answer (2)	D L1
	1.2.2	73 ✓✓A	2A correct points (2)	D L1
	1.2.3	TSA and AMA ✓✓A	2A correct teams (2)	D L1
1.3	1.3.1	C ✓✓ A	2A correct definition (2)	D L1
	1.3.2	E ✓✓A	2A correct definition (2)	F L1
	1.3.3	A ✓✓A	2A correct definition (2)	P L1
	1.3.4	F ✓✓A	2A correct definition (2)	F L1
			[22]	

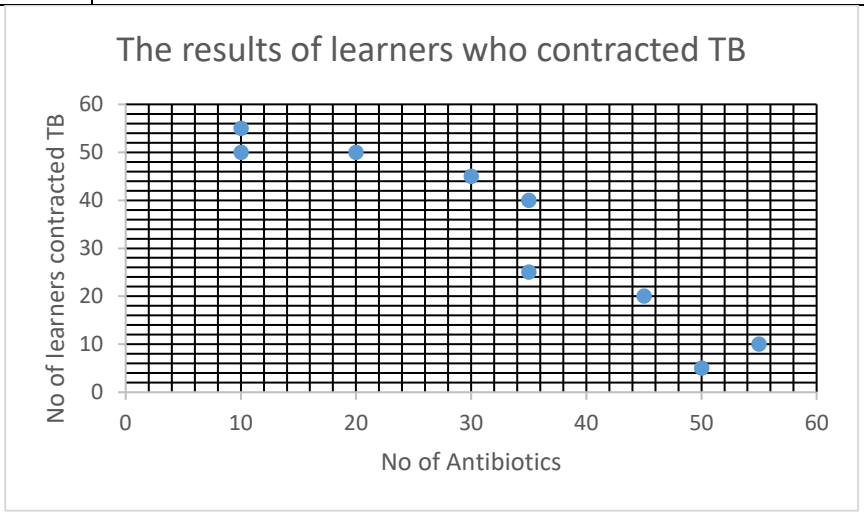
<table>
<tr><td colspan="3">QUESTION 2 [27 Marks]</td><td></td></tr>
<tr><td colspan="3"></td><td></td></tr>
<tr><td>No.</td><td></td><td>Solution</td><td>Explanation</td><td>Topic and Level</td></tr>
<tr><td>2.1</td><td>2.1.1</td><td>Deposit saved $= \frac{16}{100} \times R499\,900{,}00$ ✓MA
$= R79\,984{,}00$ ✓A</td><td>1MA multiplying correct amount by 16%
1A correct answer
(2)</td><td>F
L2</td></tr>
<tr><td></td><td>2.1.2</td><td>Balance = R499 900,00 – R79 984,00 ✓MA
= R419 916,00 ✓A

Repayment $= R419\,916{,}00 + \left(\frac{9{,}5}{100} \times R419\,916{,}00\right) \times 3$ ✓MA
= R419 916,00 + (R39 892,02 x 3)
= R419 916,00 + R119 676,06 ✓MA
= R539 592,06 ✓CA

Loan amount can also be calculated as:

$\frac{84}{100} \times R499\,900 = R419\,916{,}00$</td><td>CA from 2.1.1
1MA subtracting correct deposit
1A correct balance
1MA multiplying by 9,5% and 3
1MA adding correct balance
1CA answer
(5)</td><td>F
L4</td></tr>
<tr><td></td><td>2.1.3</td><td>Monthly instalment $= \frac{539\,592{,}06}{36}$ ✓
= R14 988,67 ✓</td><td>CA from 2.1.2
1M division by 36
1A answer rounded to 2 DP
(2)</td><td>F
L2</td></tr>
<tr><td></td><td>2.1.4</td><td>P(Silver Car) $= \frac{3\text{✓A}}{14\text{✓A}} = 0{,}21$ ✓R</td><td>1A numerator
1A denominator
1R rounding
(3)</td><td>P
L2</td></tr>
<tr><td>2.2</td><td>2.2.1</td><td>Number of builders x number of days = 36 ✓✓A
OR
Number of Builders = $\frac{36}{number\ of\ days}$ ✓✓A</td><td>2A correct formula
(2)</td><td>F
L2</td></tr>
<tr><td></td><td>2.2.2</td><td><table><tr><td>No. of builders</td><td>3</td><td>4</td><td>6</td><td>9</td><td>12</td></tr><tr><td>No. of days</td><td>12</td><td>9 ✓</td><td>6 ✓</td><td>4 ✓</td><td>3</td></tr></table></td><td>1A 9 days
1A 6 days
1A 4 days
(3)</td><td>F
L2</td></tr>
</table>

	2.2.3	Number of builders vs No. of days  	✓✓✓ All points plotted ✓ joining the points with a smooth curve (4)	
	2.2.4	Direct Proportion ✓✓A	2A direct (2)	F L1
2.3	Inflation rate = $\frac{\text{Price Difference}}{\text{Original Amount}}$ x 100 ✓M $= \frac{R20\,600 - R20\,000}{R20\,000} \times 100$ ✓M ✓M = 3% ✓CA		1M subtracting correct values 1M multiplying by 100 1M division by R20 000 1CA answer (4)	F L2
			[27]	

QUESTION 3 [23 Marks]				
No.		**Solution**	**Explanation**	**Topic and Level**
3.1	3.1.1	% = 100 – (12 + 26 + 8 + 20 + 27 + 7) ✓M = 100 – 93 ✓M = 7% ✓CA	1M adding correct values 1M subtracting 1CA % (3)	D L1
	3.1.2	Number of learners in Buffalo City = $\frac{26}{100} \times 20\ 910$ ✓M = 5 436,6 ✓S = 5 437 learners ✓R	1M correct value 1S simplification 1R whole number (3)	D L2
	3.1.3	7% 8% 12% 20% 26% 27% ✓M Median = $\frac{12\% + 20\%}{2}$ ✓M = 16% ✓CA **CA from 3.1.1**	1M arranging in order 1M concept of median 1CA answer in percentages (3)	D L3
	3.1.4	Sarah Baartman ✓✓RT **CA from 3.1.1**	2RT correct district (2)	D L2
	3.1.5	Mean = $\frac{7+8+12+20+26+27}{6}$ ✓M ✓M = 16,67% ✓CA **CA from 3.1.1**	1M adding correct values 1M concept of a mean 1CA correct mean (3)	D L2
	3.1.6	P(District less than 10%) = $\frac{2}{6}$ ✓A✓A = $\frac{1}{3}$ ✓CA	1A numerator 1A denominator 1CA simplified fraction (3)	D L2
3.2			3A 1 mark for every 3 points plotted correctly 1A for title 2A for x- and y-axis (6)	D L4
			[23]	

QUESTION 4 [28 Marks]				
No.		**Solutions**	**Explanations**	**Topic and Level**
4.1	4.1.1	Cost = R4 950 + R4 750 ✓M = R9 700 ✓A = R9 700 + R1 455 ✓M = R11 155 ✓CA	1M adding correct amounts 1A answer 1M adding VAT amount 1CA answer (4)	F L3
	4.1.2	Profit = Income – Expenses = R135 – R95 ✓RT ✓M = R40 ✓A = R40 × 25 ✓M = R1 000 ✓CA INVALID ✓O **OR** Cost = 25 x 95 = R2 375 Income = 135 x 25 = 3 375 Profit = 3 375 – 2 375 = 1 000 INVALID ✓O	1RT correct values 1M subtracting correct values 1M multiplying by 25 1CA answer 1O conclusion **OR** 1RT correct values 1M subtracting correct values 1M multiplying by 25 1CA answer 1O conclusion (6)	F L4
	4.1.3	(a) Values = W(5;675) ✓A The income is equal to expenses ✓A	1A correct points 1A correct meaning (2)	FL1
		(b) Cost = R200,00 + R95,00 x number of liters ✓✓MA	2MA correct formula (2)	F L2
4.2		R1 = € 0,049669 ? = € 45 000 $\frac{€45\,000}{€0{,}049669} \times R1$ ✓RT ✓M = R905 997,70 ✓CA	1RT correct amount 1M dividing by the correct rate 1CA simplification (3)	F L4
4.3		Range of marks = 75 – 15 ✓RT ✓MA = 60 ✓CA Range as a %: $\frac{60}{75} \times 100 = 80\%$ ✓M VALID ✓O	1MA concept of range 1RT correct values 1CA range of the data 1M multiply by 100 1O opinion (5)	D L3

4.4	✓MA ✓M Block 1 = 350 kWh x R2,216 = R775,60 Block 2 = 24 kWh x R2,711 = R65,064 ✓M = R840,664 x 1,15 ✓MA = R966,7636 ✓CA = R966,76 ✓R	1MA correct kWh 1M cost of 350 kWh 1M cost for 24 kWh 1MA multiplying by 1,15 1CA answer 1R rounding (6)	F L4
		[28]	
	TOTAL:	**100**	